



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

August 31, 2007

James J. Sheppard, President and
Chief Nuclear Officer
STP Nuclear Operating Company
P.O. Box 289
Wadsworth, TX 77483

**SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - SOUTH
TEXAS PROJECT ELECTRIC GENERATING STATION**

Dear Mr. Sheppard:

On August 8, 2007, the NRC staff completed its performance review of the South Texas Project Electric Generating Station for the first half of the calendar year 2007 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

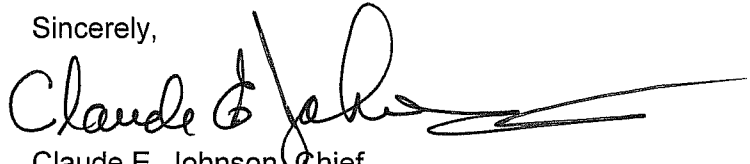
Plant performance for the most recent quarter at South Texas Project Units 1 and 2 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). In addition to the baseline inspections, we also plan on completing Temporary Instruction 2515/166, "Pressurized Water Reactor Containment Sump Blockage" for both units.

The enclosed inspection plan details the inspections, except those related to security, scheduled through December 31, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

The NRC is currently evaluating the scope and frequency of all the baseline inspection procedures. If the results of the evaluation, or any other circumstances, cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (817) 860-8148 with any questions you may have regarding this letter or the inspection plan.

Sincerely,



Claude E. Johnson, Chief
Reactor Projects Branch A
Division of Reactor Projects

Docket Nos. 50-498, 50-499
License Nos. NPF-76, NPF-80

Enclosure: South Texas Project Inspection/Activity Plan

cc w/Enclosure:

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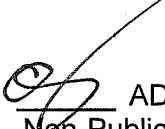
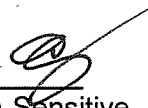
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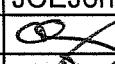
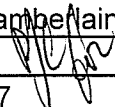
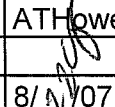
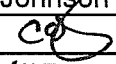
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SUNSI Review Completed:  ADAMS: Yes No Initials: 
 Publicly Available Non-Publicly Available Sensitive Non-Sensitive

R: REACTORS\EOC and Midcycle\Midcycle Assessment Letters\STP.wpd

RIV/SPE/DRP/A	C:DRP/A	D:DRS	D:DRP	C:DRP/A signature
TRFarnholtz;mjs	JCEJohnson	DDChamberlain	ATHowell	CEJohnson
/RA/				
8/17/07	8/20/07	8/17/07	8/17/07	8/24/07

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**South Texas Project
Inspection / Activity Plan
09/01/2007 - 12/31/2008**

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Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start End	Inspection Type
1, 2	REGUAL - BIENNIAL REQUALIFICATION		4		
	IP 7111111B	Licensed Operator Requalification Program		09/10/2007 09/14/2007	Baseline Inspections
	EB1-21 - CDB		7		
1, 2	IP 7111121	Component Design Bases Inspection		09/24/2007 09/28/2007	Baseline Inspections
1, 2	IP 7111121	Component Design Bases Inspection		10/15/2007 10/26/2007	Baseline Inspections
	EXAM - INITIAL EXAM		3		
1	X02357	STP UNIT 1 - INITIAL EXAM (12/07)		10/15/2007 10/20/2007	Not Applicable
2	X02358	STP UNIT 2 - INITIAL EXAM (12/07)		10/15/2007 10/20/2007	Not Applicable
1	X02357	STP UNIT 1 - INITIAL EXAM (12/07)		11/05/2007 11/09/2007	Not Applicable
2	X02358	STP UNIT 2 - INITIAL EXAM (12/07)		11/05/2007 11/09/2007	Not Applicable
	EP2 - EP PROGRAM		1		
1, 2	IP 7111402	Alert and Notification System Testing		11/26/2007 11/30/2007	Baseline Inspections
1, 2	IP 7111403	Emergency Response Organization Augmentation Testing		11/26/2007 11/30/2007	Baseline Inspections
1, 2	IP 7111404	Emergency Action Level and Emergency Plan Changes		11/26/2007 11/30/2007	Baseline Inspections
1, 2	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		11/26/2007 11/30/2007	Baseline Inspections
1, 2	IP 711151	Performance Indicator Verification		11/26/2007 11/30/2007	Baseline Inspections
	RP-ORS5 - OCCUPATIONAL RADIATION SAFETY-ALARA		1		
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		12/03/2007 12/07/2007	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		12/03/2007 12/07/2007	Baseline Inspections
1, 2	IP 711151	Performance Indicator Verification		12/03/2007 12/07/2007	Baseline Inspections
	RP TEAM - RADIATION SAFETY TEAM INSPECTION		5		
1, 2	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		01/14/2008 01/18/2008	Baseline Inspections
1, 2	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		01/14/2008 01/18/2008	Baseline Inspections
1, 2	IP 7112202	Radioactive Material Processing and Transportation		01/14/2008 01/18/2008	Baseline Inspections
1, 2	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control F		01/14/2008 01/18/2008	Baseline Inspections
	EB2-12T - TRIENNIAL MAINTENANCE RULE INSPECTION		1		
1, 2	IP 7111112B	Maintenance Effectiveness		01/28/2008 02/01/2008	Baseline Inspections
	EB1-08U1 - ISI STP U1 & T1 166 CLOSEOUT U1&U2		2		
1, 2	IP 2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-0:		04/07/2008 04/18/2008	Safety Issues
1	IP 7111108P	Inservice Inspection Activities - PWR		04/07/2008 04/18/2008	Baseline Inspections
1	IP 7111108P	Inservice Inspection Activities - PWR		04/21/2008 04/25/2008	Baseline Inspections
	RP-ORS1 - OCCUPATIONAL RADIATION SAFETY - ACCESS		1		
1, 2	IP 7112101	Access Control to Radiologically Significant Areas		04/07/2008 04/11/2008	Baseline Inspections
1, 2	IP 7112102	ALARA Planning and Controls		04/07/2008 04/11/2008	Baseline Inspections

This report does not include INPO and OUTAGE activities.
This report shows only on-site and announced inspection procedures.

South Texas Project
 Inspection / Activity Plan
 09/01/2007 - 12/31/2008

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates Start	Planned Dates End	Inspection Type
	RP-ORS1 - OCCUPATIONAL RADIATION SAFETY - ACCESS		1			
2	IP 71151-OR01	Occupational Exposure Control Effectiveness		04/07/2008	04/11/2008	Baseline Inspections
1	IP 71151-PR01	RETS/ODCM Radiological Effluent		04/07/2008	04/11/2008	Baseline Inspections
	EB2-05T - TRIENNIAL FIRE PROTECTION		4			
1,2	IP 7111105T	Fire Protection [Triennial]		05/12/2008	05/16/2008	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		06/02/2008	06/06/2008	Baseline Inspections
1,2	IP 7111105T	Fire Protection [Triennial]		06/16/2008	06/20/2008	Baseline Inspections
	EP1 - EP EXERCISE		3			
1,2	IP 7111401	Exercise Evaluation		07/21/2008	07/25/2008	Baseline Inspections
	EB2-52B - BIENNIAL PI&R INSPECTION		4			
1,2	IP 71152B	Identification and Resolution of Problems		07/28/2008	08/01/2008	Baseline Inspections
1,2	IP 71152B	Identification and Resolution of Problems		08/11/2008	08/15/2008	Baseline Inspections
	RP-ORS2 - OCCUPATIONAL RADIATION SAFETY - ALARA		1			
1,2	IP 7112101	Access Control to Radiologically Significant Areas		08/18/2008	08/22/2008	Baseline Inspections
1,2	IP 7112102	ALARA Planning and Controls		08/18/2008	08/22/2008	Baseline Inspections
1,2	IP 71151-OR01	Occupational Exposure Control Effectiveness		08/18/2008	08/22/2008	Baseline Inspections
2	IP 71151-PR01	RETS/ODCM Radiological Effluent		08/18/2008	08/22/2008	Baseline Inspections
	EB1-2/17 - 50.59 & PERMANENT PLANT MODS		1			
1,2	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/15/2008	09/19/2008	Baseline Inspections
1,2	IP 7111117B	Permanent Plant Modifications		09/15/2008	09/19/2008	Baseline Inspections

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.